

ABSTRACT OF THE DISCLOSURE

Different probes each having a specific base sequence are immobilized to each of independent areas 5 formed on the surface of a substrate, complementary polynucleotides in a sample solution are hybridized to the probes, and each of the independent areas on the substrate is heated and then cooled in sequence, and hence the 10 solution is recovered to extract different polynucleotides separately corresponding to individual probes.